

IN THE CLAIMS:

Claim 1 (Currently amended): A method for decomposing organic substances wherein a liquefied organic substance is applied, from an upper side, to photocatalyst powder, and the photocatalyst powder is heated to between 50 and 400°C without application of electromagnetic waves.

Claim 2 (Canceled):

Claim 3 (Currently amended): A method for decomposing organic substances as set forth in Claim 1 ~~or 2~~, wherein the liquefied organic substance is a toxic content, such as PCB ~~or the like~~.

Claim 4 (Original): A method for decomposing organic substances wherein a gaseous organic substance is caused to contact with photocatalyst powder, and the photocatalyst powder is heated to between 50 and 400°C without application of electromagnetic waves.

Claim 5 (Canceled):

Claim 6 (Currently amended): A method for decomposing organic substances as

set forth in Claim 4 ~~or~~ 5, wherein the gaseous organic substance is a content having bad odor.

Claim 7 (Currently amended): A method for decomposing organic substances wherein an organic substance to be decomposed is introduced, in a state of gas, liquid or solid, into a suspension of finely divided particles of photocatalyst and is heated in a range between 50 and 100°C without application of electromagnetic waves.

Claim 8 (Canceled):

Claim 9 (Canceled):